

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Y. SHIMADA, et al.

Serial No.:

10/521,470 /

Filed:

January 18, 2005

Title:

MULTILAYER WIRING BOARD, MANUFACTURING METHOD

THEREOF, SEMICONDUCTOR DEVICE, AND WIRELESS

**ELECTRONIC DEVICE** 

Examiner:

Unassigned

Group Art Unit:

2812

Confirmation No.:

2249

## <u>INFORMATION DISCLOSURE STATEMENT</u> **UNDER 37 CFR 1.97 AND 1.98**

Mail Stop:

**Commissioner for Patents** 

P.O. Box 1450

Alexandria, Virginia 22313-1450

April 18, 2005

SIR:

Pursuant to Applicants' duty of disclosure, enclosed please find copies of documents to be considered by the Examiner during examination of the aboveidentified application. Also enclosed is a Form PTO/SB/08A and B, listing the enclosed documents.

This Information Disclosure Statement is being submitted prior to a first Office Action on the merits in the above-identified application, and, moreover, within three (3) months of the filing thereof. Clearly, the requirements of 37 CFR 1.97(b) are satisfied.

Of the enclosed documents, please note that the enclosed article from the Journal of Materials Science: Materials in Electronics 11 (2000), pages 253-268, is discussed in the paragraph bridging pages 2 and 3 of Applicants' specification.

Docket No. 1204.44657X00 Serial No. 10/521,470 April 18, 2005

In view of the foregoing, it is respectfully submitted that all applicable requirements of 37 CFR 1.97 and 1.98 have been satisfied in connection with each of the documents listed on the enclosed Form. Accordingly, consideration of the listed documents, upon examination of the above-identified application, is respectfully requested.

Applicants request any shortage or excess in fees in connection with the filing of this paper, including extension of time fees, and for which no other form of payment is offered, be charged or credited to Deposit Account No. 01-2135 (case No. 1204.44657X00).

Respectfully submitted,

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April 18, 2005

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number, Complete if Known Substitute for form 1449A/PTO **Application Number** 10/521,470 INFORMATION DISCLOSURE Filing Date 01/18/2005 STATEMENT BY APPLICANT First Named Inventor Y. SHIMADA Art Unit (use as many sheets as necessary) 2812 April 18, 2005 **Examiner Name** Unassigned of Sheet 2 Attorney Docket Number 1204.44657X00

Examiner Initials'	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2</sup> (if known)	U.S. PATENT I  Publication Date  MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
		US- 5,079,069	01/1992	James R. Howard, et al.	Figures Appear
		US- 5,155,655	10/1992	James R. Howard, et al.	
		US- 5,161,086	11/1992	James R. Howard, et al.	
		US- 4,775,573	10/1988	Joseph A. Turek	
	-	US- 5,010,641	04/1991	John R. Sisler	
		US- 5,800,575	09/1998	Gregory L. Lucas	
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials'	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>

Examiner	Date	
Signature	 Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (04-03)
Approved for use through 10/31/2002. OMB 0651-0031
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Substitute for form 1449/PTO Complete if Known **Application Number** 10/521,470 INFORMATION DISCLOSURE Filing Date 01/18/2005 STATEMENT BY APPLICANT First Named Inventor Y. SHIMADA, et al. April 18, 2005 Group Art Unit 2812 (use as many sheets as necessary) Unassigned Examiner Name 2 Sheet Attorney Docket Number 1204.44657X00

		NON BATCHT LITERATURE ROOMENTO	
	- C'4	NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the	<del>,  </del>
Examiner Initials*	Cite No.		T <sup>2</sup>
		publisher, city and/or country where published.  S. K. Bhattacharva, et al. "Next generation integral passives; materials processes and integration of	$\vdash$
		item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher. city and/or country where published.  S. K. Bhattacharya, et al., "Next generation integral passives: materials, processes, and integration of resistors and capacitors on PWB substrates", Journal of Materials Science: Materials in Electronics, Vol. 11, pp. 253-268, 2000.	
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Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.